

CLAIMS:

1. A method for storing a data stream comprising intra-coded pictures and inter-coded pictures on a storage medium comprising at least one intra-coded allocation unit and at least one inter-coded allocation unit, the method comprising the steps of:
 - a) receiving the data stream;
 - 5 b) storing multiple intra-coded pictures in the intra-coded allocation unit on the storage medium;
 - c) storing multiple inter-coded pictures in the inter-coded allocation unit on the storage medium.
- 10 2. Method according to claim 1, wherein the data stream comprises further data other than coded pictures and the further data is stored in the intra-coded allocation unit
3. Method according to claim 1, wherein the inter-coded allocation unit is preceded by the intra-coded allocation unit and the inter-coded pictures stored in the inter-coded allocation unit are associated with the intra-coded pictures stored in the preceding intra-coded allocation unit.
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4. Method according to claim 1, further comprising the steps of:
 - a) receiving a trick play request for the stored data; and
 - 20 b) reading the data in the intra-coded allocation units to create the requested trick play stream of recorded data.
5. method according to claim 1, wherein data in the intra-coded allocation units are coded with a first coding algorithm and the data in the inter-coded allocation units are coded with a second coding algorithm.
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6. Apparatus for storing a data stream comprising intra-coded pictures and inter-coded pictures on a storage medium comprising at least one intra-coded allocation unit and at least one inter-coded allocation unit, the apparatus further comprising:

- a) a receiver for receiving the data stream;
- b) means for storing multiple intra-coded pictures in the intra-coded allocation unit on the storage medium;
- c) means storing multiple inter-coded pictures in the inter-coded allocation unit on the storage medium.

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7. storage medium comprising

- a) at least one intra-coded allocation unit for storing multiple intra-coded pictures; and
- b) at least one inter-coded allocation unit for storing multiple inter-coded pictures.

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